

WHAT IS CLAIMED IS:

1. A method of managing contents data for digital broadcasting by using an application definition file, comprising the steps of:

- a) collecting contents data for digital broadcasting in form of an application;
- b) designing an application definition file according to characteristics of respective contents contained in the application;
- c) inputting the designed application definition file and the application into a server; and
- d) processing the application in accordance with the input application definition file.

2. The method as claimed in claim 1, wherein the step a) comprises the sub-steps of:

- 1) defining a transmission standard of the application;
- 2) defining a name of the application;
- 3) defining an executing environment of the application;
- 4) defining an encoding way of the application;
- 5) defining a method to transmit the application; and
- 6) defining itself information of the application.

3. The method as claimed in claim 1, wherein in the step c), both of the application and the ADF that is made with the application are inputted to the server.

4. The method as claimed in claim 1, wherein in the step c), contents necessary are stored to the server and the ADF is inputted to the server by designing the ADF according to the stored contents.

5. The method as claimed in claim 1, wherein in the step c), the ADF is inputted by correcting the ADF when the added contents is made in case of adding new contents to the application stored in the server

6. The method as claimed in claim 3 to 5, wherein in the step c), the ADF is inputted to the server automatically by using the transmission protocol from outside, or directly by a user with a recording medium such as a diskette or a compact disk.

7. The method as claimed in claim 1, wherein the step d) comprises the sub-steps of:

1) loading the ADF from the server at starting time when the application in the server is transported together with at the beginning of the broadcasting while a main controller section manages the broadcasting schedule of whole programs;

2) giving an information of a command for encoding the application based on the loaded ADF; and

3) commanding to generate a system information necessary to which the application is broadcasted.

8. A system for managing contents data for digital broadcasting by using an

application definition file, comprising:

a main control section for controlling an operating status and flow of an application server section by transmitting and receiving a control signal to and from the application server section; and

the application server section for storing a data broadcasting program necessary to the digital broadcasting and systemically maintaining and managing the data broadcasting program.

9. The system as claimed in claim 8, wherein the application server section comprises a control module, a performance module, a transmission module, a storage module, a monitor module, and an information module.

10. The system as claimed in claim 8, wherein the application server section brings all files constructing the application in an exterior other server together with the application definition file of the application by receiving commands that are performed by unit of application from the exterior other system.

11. The system as claimed in claim 8, wherein the application server section stores and manages files in unit of application together with the application definition file.

12. The system as claimed in claim 8, wherein the application server section transfers the application definition file to an exterior by request of the exterior, and

searches and corrects the information for the application that is stored by an exterior controller or own interface of the application server section.

13. The system as claimed in claim 8, wherein the application server section provides a monitoring information in an application server to an operator.

14. The system as claimed in claim 8, wherein the application server section processes several protocols supporting types of contents data.

15. The system as claimed in claim 8, wherein the application server section divides a contents data into an offline data and an online data in accordance with property of the content data.

16. The system as claimed in claim 15, wherein a relative information of the offline data is collected by a performance command from the performance module which connects to an exterior other server, stored in the storage module 508, and transferred to the contents data encoding section by the request in advance, and

the online data is collected by the performance module which connects to the exterior other server by receiving the request from the data encoding section, and directly transferred to the data encoding section through the transmission module without storing data by the storage module.

17. The system as claimed in claim 8, wherein the performance module of the

application server provides a general and flexible interpretation method for compatibility with various communication protocols with an exterior server, and programs of the application server supporting the various communication protocols convert the contents data receiving from the exterior servers data to be utilized in the application server.

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